Figure 1 of 2 Structure of Rigid Ring Amino Acids

$$H_{2}N - \left(CH_{2}\right) - \left(CH_{3}\right) - \left(CH_{3}\right) - \left(CH_{3}\right) - \left(CH_{2}\right) - \left(CH_{2}\right) - \left(CH_{3}\right) - \left(CH_{3$$

Figure 2 of 2

Structures of Rigid Ring Amino Acid Sub-families

Structure

Sub-family Designation

$$H_2N$$
 CH_2 $COOH$

An

$$H_2N-COOH$$

Bn

$$\begin{array}{c} CH_3 \\ H_2N - C \\ CH_3 \end{array} \qquad \begin{array}{c} R \\ CH_2 \\ n \end{array} \qquad \begin{array}{c} COOH \\ \end{array}$$

Cn

$$H_2N$$
 CH_2 R CH_3 C $COOH$ CH_3

Dn

$$\begin{array}{c|c} CH_3 & CH_3 \\ \hline \\ H_2N - C & CH_2 \\ \hline \\ CH_3 & CH_3 \end{array}$$

En

$$H_2N - \left\{CH_2\right\} - \left\{CH_3\right\} - \left\{CH_4\right\} - \left\{$$

Fn

$$H_2N - CH_2$$
 n
 CH_3
 R
 $COOH$

Gn

$$H_2N$$
 \longrightarrow $\begin{pmatrix} CH_3 \\ C \\ CH_3 \end{pmatrix}$ \downarrow $COOH$

Hn